1LD5

DIODE—SHARP-CUTOFF PENTODE

1LD5

GENERAL DATA

Electrical:

Filament, Coated:

Voltage	1.4	dc volts
Current	0.05	amp

Direct Interelectrode Capacitances:°

Pentode Unit:

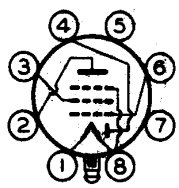
Grid No.1 to Plate	0.18	μμf
Input	3.2	μμf
Output	6.0	μμf

° With external shield connected to negative filament terminal.

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-25/32"
Maximum Seated Length	2-1/4"
Maximum Diameter	1-3/16"
Bulb	T-9
Base	Lock-in 8-Pin
Basing Designation for BOTTOM VIEW	6AX

Pin 1 - Filament (+)
Pin 2 - Pentode Plate
Pin 3 - Pentode Grid No.2
Pin 4 - Diode Plate
Pin 5 - No Connection



Pin 6 - Pentode Grid No.1
Pin 7 - No Connection
Pin 8 - Filament (-), Pentode Grid No.3
Plug - Base Shell

PENTODE UNIT
AMPLIFIER - Class A_1

Maximum Ratings, *Design-Center Values*:

PLATE VOLTAGE	110 max.	volts
GRID-No.2 (SCREEN) VOLTAGE	50 max.	volts

Typical Operation and Characteristics:

Plate Voltage	45	90	volts
Grid-No.2 Voltage	45	45	volts
Grid-No.1 Voltage	0	0	volts
Plate Resistance (Approx.)	0.9	0.75	megohm
Transconductance	550	575	μmhos
Plate Current	0.55	0.6	ma
Grid-No.2 Current	0.12	0.1	ma

DIODE UNIT

The diode is located at the negative end of the filament and is independent of the pentode unit except for the common filament.